

## Coastal and Marine Geology Video and Photograph Portal

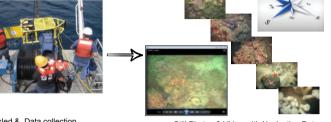
A view into the largest USGS database of coastal and seafloor photos and videos

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http://cmgvideo.usgsportals.net http://cmayideo.usasportals.net/files/usas/cma\_photovideo/tutorial











Ships of opportunity

Camera sled & Data collection

Still Photos & Video with Navigation Data

Axiom data access pyramid

Open Source Tools

Portal Webpage

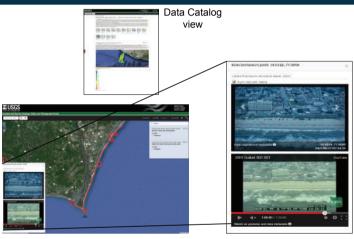
Photos and video represent a fine-scale and detailed view of the seafloor or coastline that may not be attainable with remotely sensed datasets

Navigation is simple and userfriendly using a familiar map interface

Map Legend and the Lavers Toolbar offer a versatile portal interface - easily add, remove and overlay datasets in spatial context

Areas available to browse include the Pacific, Atlantic, and the Gulf Coast

Future focus in Hawaii. Washington State's Puget Sound, and the Arctic, Puerto Rico, and mid-Atlantic Coast. **USGS CMG** has collected thousands of hours of video and ten's of thousands of still photographs over the past several decades. Until now, only a few of these data sets were published and publicly accessible



Portal Zoom

Synchronized Video & Photo

- Zooming into an area of interest reveals lines where continuous video footage was acquired and dots where still photographs were taken.
- Clicking on a segment launches the video in a pop-up window.
- Photographs appear beside the video, changing as the video passes each point where a photograph was taken.



U.S. Department of the Interior **U.S.** Geological Survey

